

ICOM

COMMUNICATIONS RECEIVER

IC-R6Rugged
MIL-STD 810

The 100 Ch/Sec Wideband Signal "Search Machine"

● 100kHz–1309.995MHz* wideband coverage

While the IC-R6 receives an ultra wideband frequency range, the radio provides superior sensitivity and receiver characteristics that is insusceptible to interference. Amateur stations, AM, FM, short wave broadcasts, TV audio* and a variety of utility communications can be caught and listened to.

* Frequency range depends on version. Analog TV audio only. Cannot decode digital TV audio.

● 100 channels per second high speed scan

The IC-R6 has 100 channels per second high speed scan capability*. This superior scanning power allows the utmost efficiency when searching over 1300MHz of spectrum! * VFO mode scanning.

● 15 hours of continuous receive capability*

The IC-R6 is energy-efficient, designed to provide many hours of listening enjoyment on a single charge. With the supplied rechargeable Ni-MH cells (1400mAh x2), the IC-R6 provides up to 15 hours of continuous receive capability*. * At 50mW output using external speaker.

● 1300 memory channels with 22 memory banks

With 1300 alphanumeric memory channels, 50 scan edges and 200 auto write memories, the IC-R6 gives you flexible scanning. Use the bank link scan feature to choose from and connect any of the 22 memory banks.

● VSC (Voice Squelch Control)

The VSC opens the squelch only when a modulated signal is detected and ignores unmodulated beat noise. It is a handy feature for those listeners who are scanning for talk, news and music, but not data bursts or beacons.

● Multiple power choices

The IC-R6 can be powered by rechargeable Ni-MH cells, or with alkaline batteries. Run the IC-R6 using the AC adapter, BC-196S, or opt for a cigarette lighter cable, CP-18. When used the optional drop-in charger stand BC-194 with the AC adapter or cigarette lighter cable, you can easily start charging the Ni-MH cells, while eliminating the need to connect the power source to the DC power jack of the receiver.



OTHER FEATURES

- Built-in audio low pass filter
- $\pm 1.0\text{ppm}$ high frequency stability (at 25°C)
- Earphone cord antenna for AM aviation as well as FM broadcast
- Ferrite bar antenna for AM broadcast
- 150mW loud audio with internal speaker
- DTCS and CTCSS tone squelch and reverse tone squelch
- Priority watch function with priority beep function

- Optional CT-17, CI-V level converter for remote control
- PC programmable with optional CS-R6
- Receiver-to-receiver cloning (optional OPC-474 required)
- Auto power OFF (0.5–2 hours and end of busy signal)
- Compact, drip-resistant construction
- Duplex operation monitoring
- Automatic LCD backlight
- Dial speed acceleration

- Built-in RF attenuator
- Auto memory write scan stores the detected frequency, mode and tone into a specified memory
- Reversible up/down buttons and dial knob for volume, frequency, memory channel, scan direction and set mode settings
- Optional new tube earphone, SP-27
- Weather channel receive with weather alert (USA version only)

SPECIFICATIONS

GENERAL

• Frequency coverage	: 0.100–1309.995MHz*
(* Blocked in the U.S.A. version.)	
France	0.100–29.995, 50.200–51.200, 87.500–107.995, 144–146, 430–440, 1240–1300MHz
• Mode	: AM, FM, WFM
• No. of memory channels	: 1300 regular, 50 scan edges and 200 auto memory write
• Usable temperature range	-10°C to +60°C ; +14°F to +140°F
• Frequency stability	$\pm 1.0\text{ppm}$ (at 25°C)
• Tuning steps	: 5, 6.25, 8.33*, 9*, 10, 12.5, 15, 20, 25, 30, 50, 100, 125, 200kHz (* Selectable depending on operating bands.)
• Battery requirement	: 2×R6 (AA) size Ni-MH or alkaline cells
• External power supply	: 4.5V DC rated (4.5–6.3V with BC-196SA/SD, CP-18A/E)
• Current drain (at 3.0V DC)	Rated audio : 130mA typ. (Ext. SP, backlight off) Standby : 65mA typ. Power save : 30mA typ. (1:4 duty)
• Antenna impedance	: 50Ω (SMA)
• Dimensions (W×H×D)	: 58×86×29.8 mm; (Projections not included) 2 $\frac{9}{32}$ ×3 $\frac{3}{16}$ ×1 $\frac{1}{16}$ in
• Weight (approx.)	: 200g; 7.1oz

All stated specifications are subject to change without notice or obligation.

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

BC-196SA/SD AC ADAPTER

4.5V DC, 400mA output. Allows you to power the IC-R6 and charge the supplied Ni-MH battery cells installed in the IC-R6 in 15 hours (approx.). For exclusive use with the IC-R6 and BC-194 only.

BC-194 CHARGER STAND

Drop-in charger for use with BC-196S or CP-18A/E.

CP-18A/E CIGARETTE LIGHTER CABLE

6V DC, 1.5A output from 12V cigarette lighter socket.



HP-4 HEADPHONE

Light weight monaural headphone.

SP-13 EARPHONE

Provides clear audio even in noisy environments.

LC-146A CARRYING CASE

Helps protect the receiver from scratches, etc.

CT-17 CI-V LEVEL CONVERTER

For receiver remote control from a PC.

CS-R6 CLONING SOFTWARE

OPC-478 CLONING CABLE (RS-232C cable)

OPC-478UC CLONING CABLE (USB cable)

Use a PC to easily edit stored memory channel data.

OPC-474 CLONING CABLE

Used for receiver-to-receiver data cloning.

AD-92SMA ANTENNA CONNECTOR ADAPTER

Allows you to connect a BNC-type antenna.

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